**FIG. 1**

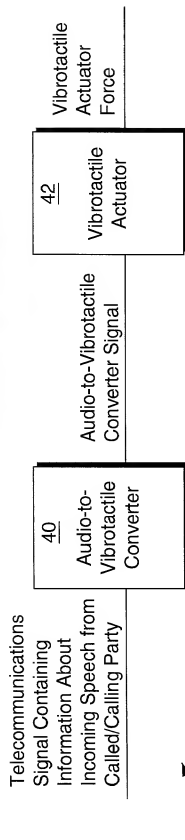


FIG. 2: Audio-Modulated Vibrotactile Module

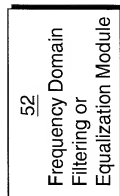


FIG. 4

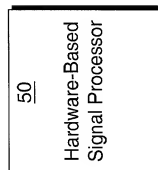


FIG. 3

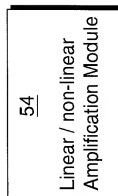


FIG. 5

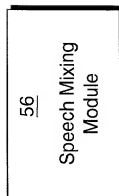


FIG. 6

FIG. 7

60
Software-Based
Signal Processor

FIG. 8

62
Speech Encoding
Algorithm Module

FIG. 9

70
Electro-Mechanical
Actuator

FIG. 10

80
Acoustic Actuator

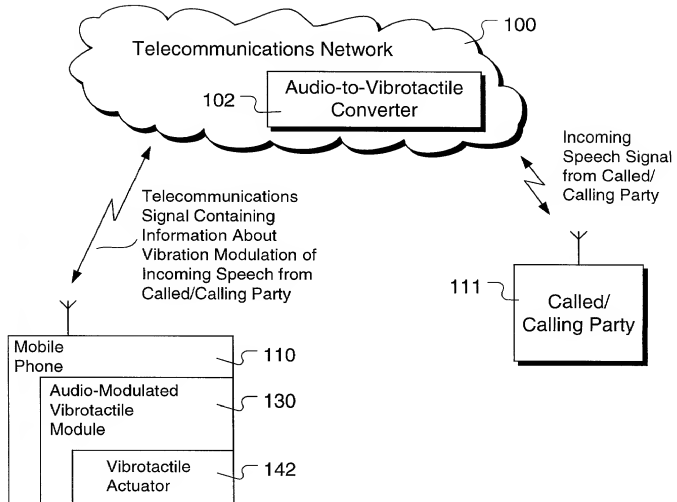


FIG. 11

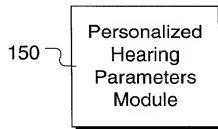


FIG. 12